

Patent Abstracts of Japan

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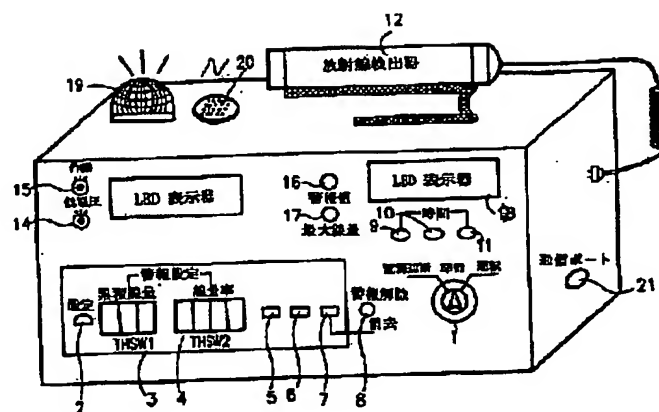
APPLICATION DATE : 13-10-97
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APPLICANT : KOREA ELECTRIC POWER CORP;

INVENTOR : JEON-SEO PARK;

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TITLE : PORTABLE MEMORY TYPE
RADIATION ALARM DEVICE



ABSTRACT : PROBLEM TO BE SOLVED: To preliminarily protect a worker from excessive radiation exposure by outputting a data to an external computer when it is required so that the tracking to a radiation exposure can be performed.

SOLUTION: A radiation detector 12 is attachably and connected to a body in attachable and detachable method even in a distance of, for example, about 20m to detect a radiation within a radiation measuring range of 10mR/h-100R/h. An alarm lamp 19 and a buzzer 20 are set to have a noise level and an illuminance of 90dB and 300 lux or more, respectively, so that they can be recognized in any working environment, whereby the excessive exposure of a radiation worker can be prevented. An LED indicator 18 displays the accumulated dosage and the present time when other switches are not operated in preparation mode, displays the accumulated dosage alarm value and the dose rate alarm value when an alarm value button 16 is pressed, and displays the maximum dose rate up to the present when a maximum dosage button 17 is pressed. A communication port 21 is necessary for transmitting radiation measurement data to an external computer.

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